



CALIFORNIA

Agricultural Bulletin



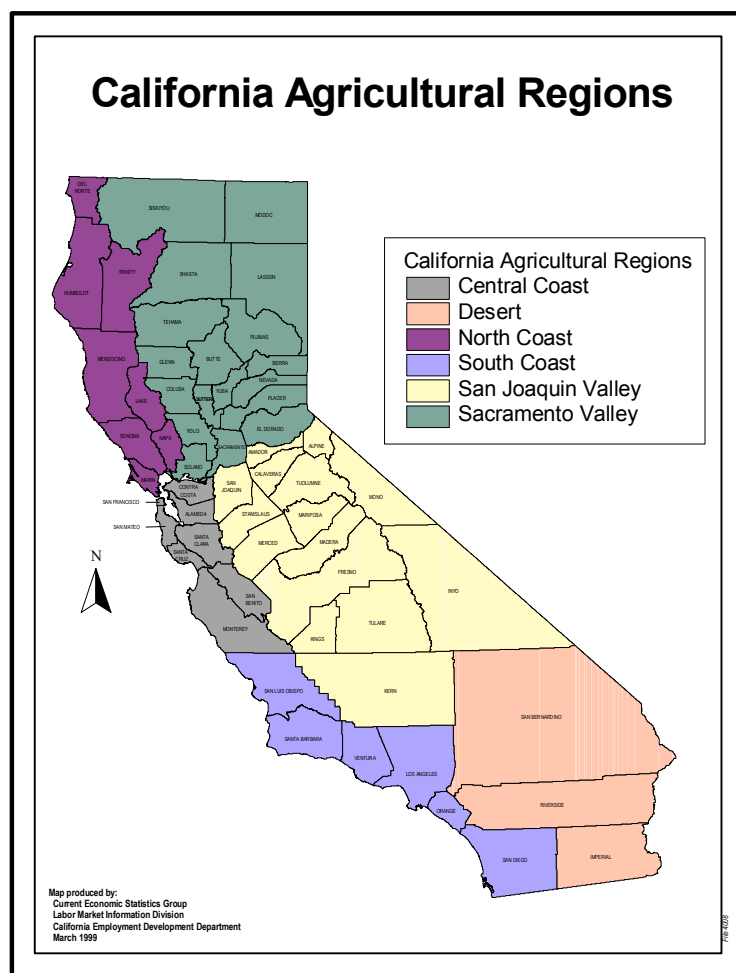
November 2002
(Internet Version)

In This Issue

Agricultural Overview	1
Summary	2
Agricultural Summary Charts	3
California Employment	4
Central Coast Employment	5
Desert Employment	6
North Coast Employment	7
South Coast Employment	8
San Joaquin Valley Employment	9
Sacramento Valley Employment	10
Data Notes	11

Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from 5 to 17 within each of the 6 geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings



Summary

Employment

Total California agricultural employment for November 2002 decreased by 46,700 jobs over the previous month, a loss of 12 percent. Total Agricultural Production from October 2002 to November 2002 decreased by 27,200 jobs, a loss of 14 percent. Agricultural Services decreased by 21,100 jobs, a loss of 13 percent. Agricultural Employment tends to show a decrease from October to November. The change in Agricultural Employment from October 2001 to November 2001 was a decrease of 68,200 jobs.

The largest decrease for the month was seen in Farm Labor Contractors with a decline of 16,400 jobs. A significant decrease of jobs was also registered in Grape Crops with a decline of 10,500 jobs and in General Farm Primarily Crop, which showed a drop of 6,100 jobs. Increases of 1,200 were seen in Plant Cultivate and Protection Services and 800 in Dairy Farms. Total agricultural employment decreased in all but one region with the Sacramento Valley Region showing a decline of 22 percent, followed by a decline of 18 percent in the San Joaquin Region, 16 percent in the North Coast Region, 11 percent in the Central Coast Region, and only 2/10 percent in the South Coast Region. The Desert Region increased by 20 percent.

Production and Crop Activity

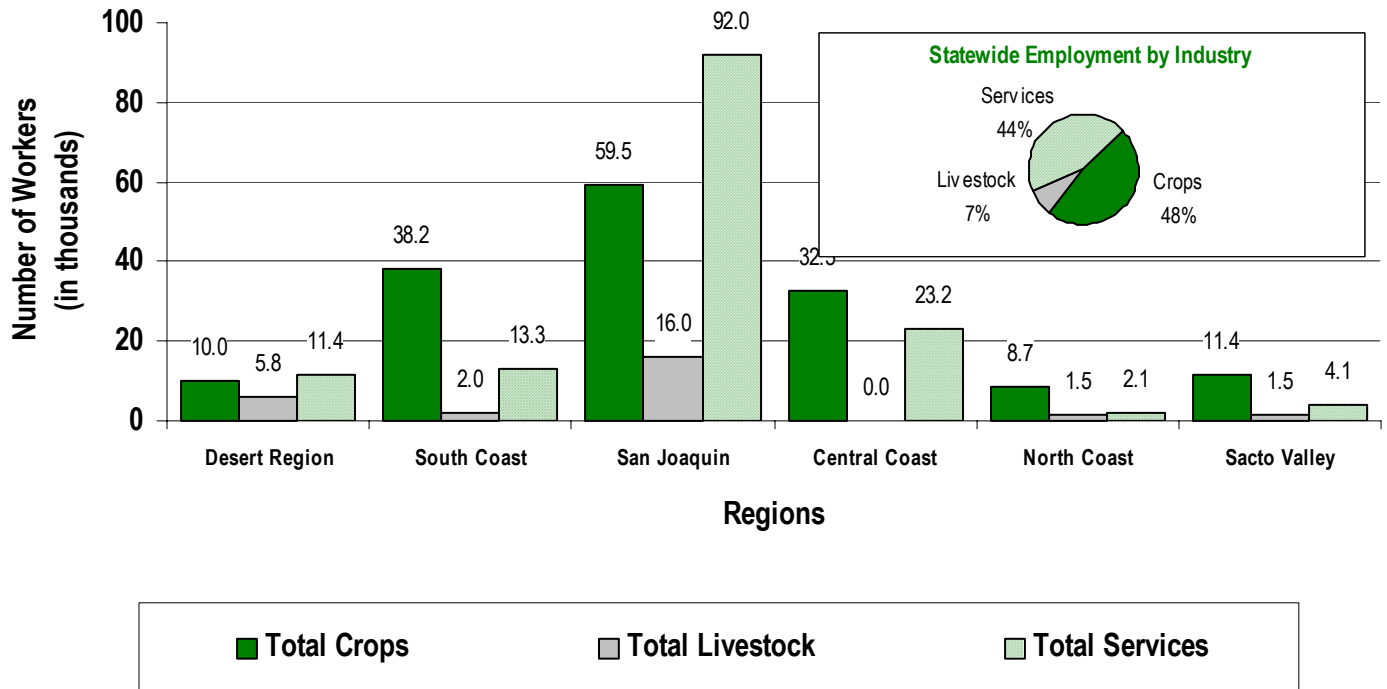
Cotton harvesting neared completion. Planting of winter wheat, oats, barley, and winter forage continued. Dry bean-harvesting wound down in remaining fields. Green chopping of alfalfa continued in several areas. New alfalfa planting was complete in most locations. Rice harvesting was finished and bailing of rice straw was complete. Harvesting of sugar beets continued in several areas. Farmers began harvesting lettuce in the Imperial Valley. Fresh-market tomato harvesting was almost complete in Merced County. Lettuce and broccoli were being harvested in Fresno County. Freezer broccoli and cauliflower harvesting began in Merced County. The cantaloupe season concluded in the San Joaquin Valley. Spring vegetable fields were being worked in preparation for next year's crop. Garlic and onion planting continued for next year's crop. Planting of onions and carrots for seed neared completion. The following vegetables were also harvested: basil, cabbage, celery, cilantro, carrots, daikon, eggplant, mustard greens, melons, garlic, green onions, pepper, radicchio, radishes, sweet corn, and spinach.

Vineyard and orchard removal and ground preparation for future plantings continued around the State. Stone fruit orchards were pruned and cultivated. Herbicides were applied for weed control. Table grape harvesting continued in a few vineyards. Fuyu and Hachiya persimmons were picked and packed. Apple harvesting wound down in eastern Kern County, but packing continued. Strawberry harvesting continued in the Central Coast counties. Harvesting of Navel oranges continued. Pummelos, Satsuma mandarins, tangerines, avocados, and lemons were picked and packed. Olive groves were pruned. Walnut harvesting remained active in a few locations. Almond stockpiles were hulled. Orchards were pruned and treated for weed control. Pistachio and almond trees were sprayed with zinc sulfate. Ground preparations and fumigation continued in walnut orchards in preparation for new plantings.

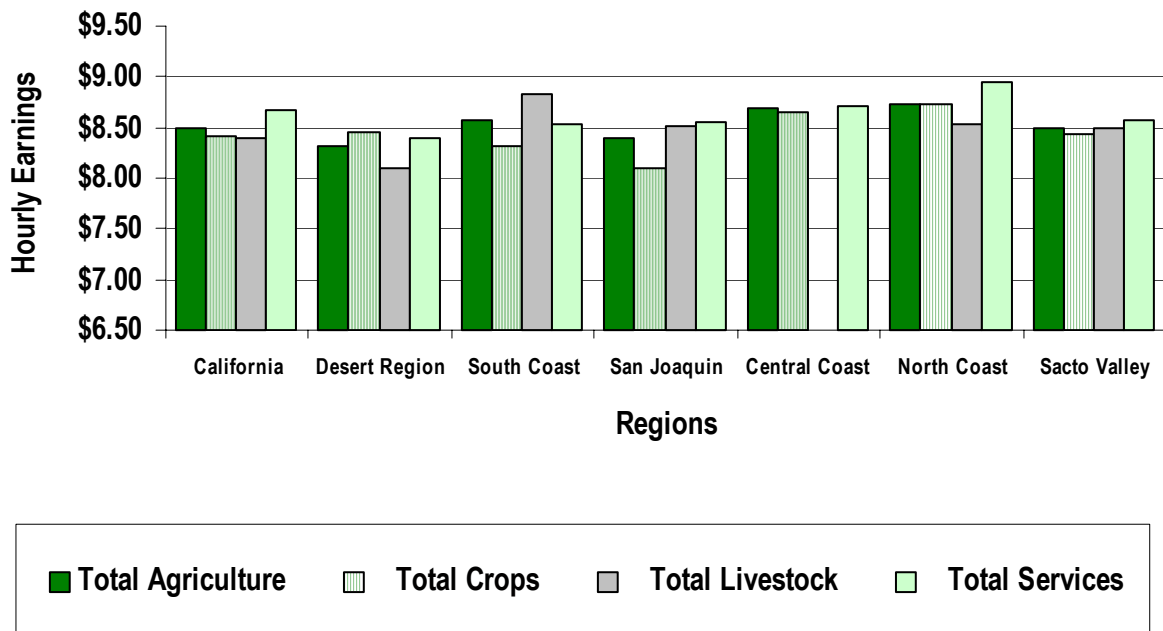
In Northern California, beef cattle were given supplemental feed. Fall calving was winding down while lambing continued. Sheep grazed on alfalfa pastures and crop stubble in Central California. Lambs were grazing on alfalfa and Sudan pastures in the Imperial Valley. Turkey shipments for Thanksgiving were completed with processors gearing up for Christmas demand.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	333.4	380.1	339.7
Total Agricultural Production/Crops	160.5	187.7	170.7
Cash Grains	1.2	1.4	1.6
Rice	0.7	0.8	1.0
Other Cash Grains	0.5	0.6	0.6
Field Crops Except Grains	9.3	12.0	9.6
Cotton	4.9	5.9	5.3
Other Field Crops	4.4	6.1	4.3
Vegetables and Melons	30.8	31.7	27.5
Total Fruits and Tree Nuts	67.5	83.4	74.4
Berries	12.5	14.1	16.7
Grapes	26.8	37.3	28.3
Tree Nuts	8.2	9.7	8.8
Citrus Fruits	3.6	3.7	3.7
Deciduous Tree Fruit	10.0	11.3	9.4
Other Fruits & Nuts	6.4	7.3	7.5
Total Horticultural Specialties	34.6	36.0	37.7
Ornamental Floral & Nursery	31.3	32.8	34.0
Food Crops Grown Under Cover	3.3	3.2	3.7
General Farm Primarily Crop	17.1	23.2	19.9
Agricultural Production/Livestock	26.8	25.2	29.6
Beef Cattle Feed Lots	0.7	0.7	1.0
Beef Cattle Except Feed Lots	2.9	2.8	3.6
Dairy Farms	16.5	15.7	17.1
Chicken Eggs	1.6	1.7	2.2
Turkey & Turkey Eggs	0.7	0.7	1.0
Other Livestock	4.4	3.6	4.7
Total Agricultural Services	146.1	167.2	139.4
Soil Preparation Services	1.6	2.4	3.3
Crop Services	44.4	46.2	43.2
Plant Cultivate & Protection	4.9	3.7	5.4
Harvest Primarily by Machine	5.9	5.6	4.8
Preparation Services for Market	31.9	35.7	31.1
Cotton Ginning	1.7	1.2	1.9
Total Farm Labor & Management	100.1	118.6	92.9
Farm Labor Contractors	91.8	108.2	84.8
Farm Management Services	8.3	10.4	8.1

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.49	8.49	8.31
Total Agricultural Production/Crops	8.42	8.36	8.20
Cash Grains	8.76	8.39	8.18
Rice	9.26	8.51	8.30
Other Cash Grains	8.26	8.27	8.06
Field Crops Except Grains	8.11	8.12	8.27
Cotton	8.06	8.12	8.23
Other Field Crops	8.17	8.13	8.32
Vegetables and Melons	8.59	8.60	8.30
Total Fruits and Tree Nuts	8.34	8.35	8.07
Berries	8.17	8.19	7.98
Grapes	8.42	8.35	8.11
Tree Nuts	8.46	8.42	8.13
Citrus Fruits	8.37	8.38	8.08
Deciduous Tree Fruit	8.20	8.30	7.76
Other Fruits & Nuts	8.45	8.48	8.39
Total Horticultural Specialties	8.38	8.44	8.24
Ornamental Floral & Nursery	8.51	8.56	8.30
Food Crops Grown Under Cover	8.25	8.31	8.18
General Farm Primarily Crop	8.32	8.28	8.13
Agricultural Production/Livestock	8.39	8.43	8.18
Beef Cattle Feed Lots	8.08	8.09	8.13
Beef Cattle Except Feed Lots	8.62	8.87	8.31
Dairy Farms	8.70	8.78	8.55
Chicken Eggs	8.15	8.14	7.76
Turkey & Turkey Eggs	8.29	8.20	7.98
Other Livestock	8.48	8.48	8.38
Total Agricultural Services	8.66	8.69	8.54
Soil Preparation Services	8.69	8.71	8.59
Crop Services	8.87	8.90	8.70
Plant Cultivate & Protection	8.67	8.66	8.50
Harvest Primarily by Machine	8.80	8.72	8.64
Preparation Services for Market	8.35	8.31	8.22
Cotton Ginning	9.67	9.91	9.42
Total Farm Labor & Management	8.42	8.45	8.33
Farm Labor Contractors	8.19	8.22	8.13
Farm Management Services	8.65	8.68	8.53

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	55.7	62.4	58.5
Total Agricultural Production/Crops	32.5	34.9	34.0
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.2
Vegetables and Melons	13.3	14.1	14.3
Total Fruits and Tree Nuts	7.9	9.4	8.0
Berries	6.4	8.3	6.3
Grapes	0.8	1.1	0.8
Tree Nuts	0.1	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	0.0	0.4
Other Fruits & Nuts	0.0	0.0	0.3
Total Horticultural Specialties	9.5	9.3	9.7
Ornamental Floral & Nursery	7.3	7.1	7.4
Food Crops Grown Under Cover	2.2	2.2	2.3
General Farm Primarily Crop	1.8	2.1	1.8
Agricultural Production/Livestock	0.0	0.0	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.0	0.0	0.4
Total Agricultural Services	23.2	27.5	23.5
Soil Preparation Services	0.4	0.6	0.9
Crop Services	9.8	11.5	10.0
Plant Cultivate & Protection	0.0	0.0	0.4
Harvest Primarily by Machine	2.1	2.2	1.9
Preparation Services for Market	7.7	9.3	7.7
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	13.0	15.4	12.6
Farm Labor Contractors	11.9	14.0	11.6
Farm Management Services	1.1	1.4	1.0

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.68	8.69	8.36
Total Agricultural Production/Crops	8.65	8.65	8.38
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	8.33
Cotton	na	na	na
Other Field Crops	na	na	8.33
Vegetables and Melons	9.09	9.02	8.59
Total Fruits and Tree Nuts	8.50	8.62	8.48
Berries	9.02	8.94	8.58
Grapes	8.35	8.30	8.34
Tree Nuts	8.48	na	8.52
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.13	na	8.18
Other Fruits & Nuts	na	na	8.77
Total Horticultural Specialties	8.54	8.53	8.47
Ornamental Floral & Nursery	8.53	8.55	8.58
Food Crops Grown Under Cover	8.54	8.51	8.35
General Farm Primarily Crop	8.48	8.41	8.02
Agricultural Production/Livestock	na	na	7.95
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.29
Dairy Farms	na	na	8.40
Chicken Eggs	na	na	7.41
Turkey & Turkey Eggs	na	na	7.94
Other Livestock	na	na	7.71
Total Agricultural Services	8.72	8.74	8.75
Soil Preparation Services	8.79	8.87	9.00
Crop Services	8.82	8.81	8.66
Plant Cultivate & Protection	na	na	8.60
Harvest Primarily by Machine	9.16	9.15	9.10
Preparation Services for Market	8.47	8.46	8.27
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.54	8.55	8.59
Farm Labor Contractors	8.31	8.30	8.36
Farm Management Services	8.77	8.80	8.82

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	27.2	22.7	28.6
Total Agricultural Production/Crops	10.0	7.2	11.5
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.5	2.3	1.3
Cotton	0.0	0.0	0.1
Other Field Crops	1.5	2.3	1.2
Vegetables and Melons	2.9	1.3	2.5
Total Fruits and Tree Nuts	2.2	1.0	3.3
Berries	0.0	0.0	0.0
Grapes	1.0	0.8	1.1
Tree Nuts	0.1	0.2	0.3
Citrus Fruits	0.0	0.0	0.8
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.1	0.0	1.0
Total Horticultural Specialties	1.5	1.5	1.7
Ornamental Floral & Nursery	1.5	1.5	1.6
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.9	1.1	2.6
Agricultural Production/Livestock	5.8	5.3	5.8
Beef Cattle Feed Lots	0.3	0.3	0.3
Beef Cattle Except Feed Lots	0.6	0.4	0.6
Dairy Farms	2.9	2.9	3.2
Chicken Eggs	1.2	1.1	1.1
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.8	0.6	0.6
Total Agricultural Services	11.4	10.2	11.3
Soil Preparation Services	0.0	0.0	0.1
Crop Services	3.2	2.7	3.5
Plant Cultivate & Protection	0.2	0.4	0.4
Harvest Primarily by Machine	0.7	0.0	0.7
Preparation Services for Market	2.3	2.3	2.2
Cotton Ginning	0.0	0.0	0.2
Total Farm Labor & Management	8.2	7.5	7.7
Farm Labor Contractors	7.6	7.0	7.0
Farm Management Services	0.6	0.5	0.7

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.32	8.28	8.12
Total Agricultural Production/Crops	8.46	8.44	8.12
Cash Grains	na	na	8.06
Rice	na	na	na
Other Cash Grains	na	na	8.06
Field Crops Except Grains	8.97	8.90	8.43
Cotton	na	na	8.23
Other Field Crops	8.97	8.90	8.63
Vegetables and Melons	8.41	8.52	8.19
Total Fruits and Tree Nuts	8.36	8.23	7.80
Berries	na	na	na
Grapes	8.63	8.57	7.63
Tree Nuts	7.88	7.89	7.31
Citrus Fruits	na	na	8.32
Deciduous Tree Fruit	na	na	7.30
Other Fruits & Nuts	8.56	na	8.46
Total Horticultural Specialties	8.38	8.41	7.89
Ornamental Floral & Nursery	8.38	8.41	7.80
Food Crops Grown Under Cover	na	na	7.98
General Farm Primarily Crop	8.18	8.15	8.32
Agricultural Production/Livestock	8.11	8.09	7.99
Beef Cattle Feed Lots	7.95	7.92	8.00
Beef Cattle Except Feed Lots	8.30	8.35	8.26
Dairy Farms	8.49	8.48	8.59
Chicken Eggs	7.65	7.59	7.28
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.14	8.12	7.81
Total Agricultural Services	8.39	8.30	8.26
Soil Preparation Services	na	na	8.00
Crop Services	8.56	8.28	8.60
Plant Cultivate & Protection	8.53	8.52	8.31
Harvest Primarily by Machine	8.96	na	8.61
Preparation Services for Market	8.20	8.03	8.27
Cotton Ginning	na	na	9.20
Total Farm Labor & Management	8.22	8.32	8.19
Farm Labor Contractors	7.97	8.20	7.99
Farm Management Services	8.46	8.44	8.38

na = not available

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	12.3	14.7	13.1
Total Agricultural Production/Crops	8.7	9.5	9.0
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	0.1	0.1	0.2
Total Fruits and Tree Nuts	7.2	7.4	7.0
Berries	0.0	0.0	0.0
Grapes	6.6	6.6	6.2
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	0.8	0.5
Other Fruits & Nuts	0.0	0.0	0.1
Total Horticultural Specialties	1.4	2.0	1.4
Ornamental Floral & Nursery	1.4	2.0	1.2
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.0	0.0	0.4
Agricultural Production/Livestock	1.5	1.6	1.7
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.2	0.2	0.2
Dairy Farms	0.9	1.0	0.9
Chicken Eggs	0.1	0.2	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.2	0.3
Total Agricultural Services	2.1	3.6	2.4
Soil Preparation Services	0.2	0.3	0.1
Crop Services	0.1	0.1	0.3
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.1	0.1	0.0
Preparation Services for Market	0.0	0.0	0.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.8	3.2	2.0
Farm Labor Contractors	0.5	1.0	0.6
Farm Management Services	1.3	2.2	1.4

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.74	8.71	8.42
Total Agricultural Production/Crops	8.73	8.81	8.42
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.66	8.70	8.58
Total Fruits and Tree Nuts	8.63	8.64	8.51
Berries	na	na	na
Grapes	8.54	8.57	8.52
Tree Nuts	na	na	8.30
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.72	8.71	8.50
Other Fruits & Nuts	na	na	8.70
Total Horticultural Specialties	8.90	9.09	8.40
Ornamental Floral & Nursery	8.90	9.09	8.60
Food Crops Grown Under Cover	na	na	8.20
General Farm Primarily Crop	na	na	8.18
Agricultural Production/Livestock	8.53	8.38	8.31
Beef Cattle Feed Lots	na	na	8.11
Beef Cattle Except Feed Lots	8.33	7.79	8.02
Dairy Farms	8.55	8.53	8.32
Chicken Eggs	8.54	8.50	8.30
Turkey & Turkey Eggs	na	na	8.05
Other Livestock	8.69	8.69	9.06
Total Agricultural Services	8.95	8.95	8.54
Soil Preparation Services	8.61	8.60	8.60
Crop Services	8.71	8.73	8.36
Plant Cultivate & Protection	na	na	8.50
Harvest Primarily by Machine	8.71	8.73	na
Preparation Services for Market	na	na	8.22
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.78	8.78	8.65
Farm Labor Contractors	8.63	8.63	8.37
Farm Management Services	8.93	8.92	8.92

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	53.5	53.6	61.2
Total Agricultural Production/Crops	38.2	39.8	44.1
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.2	0.2	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.2	0.2
Vegetables and Melons	7.8	8.4	5.9
Total Fruits and Tree Nuts	10.2	10.6	15.5
Berries	6.0	5.6	10.3
Grapes	0.9	2.4	2.2
Tree Nuts	0.1	0.0	0.1
Citrus Fruits	1.5	1.5	1.3
Deciduous Tree Fruit	0.2	0.1	0.1
Other Fruits & Nuts	1.5	1.0	1.5
Total Horticultural Specialties	16.7	16.9	18.9
Ornamental Floral & Nursery	15.9	16.1	18.1
Food Crops Grown Under Cover	0.8	0.8	0.8
General Farm Primarily Crop	3.3	3.7	3.6
Agricultural Production/Livestock	2.0	1.6	1.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.3	0.4	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.5	1.0	1.0
Total Agricultural Services	13.3	12.2	15.3
Soil Preparation Services	0.1	0.2	1.4
Crop Services	2.4	2.3	2.5
Plant Cultivate & Protection	0.7	0.5	0.4
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	1.7	1.8	1.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	10.8	9.7	11.4
Farm Labor Contractors	9.8	8.2	9.9
Farm Management Services	1.0	1.5	1.5

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.56	8.77	8.40
Total Agricultural Production/Crops	8.32	8.29	8.26
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	7.82	7.81	8.37
Cotton	na	na	na
Other Field Crops	7.82	7.81	8.37
Vegetables and Melons	8.51	8.53	8.09
Total Fruits and Tree Nuts	8.43	8.34	8.19
Berries	7.87	7.82	7.95
Grapes	8.56	8.50	8.42
Tree Nuts	8.95	na	8.89
Citrus Fruits	8.46	8.47	8.40
Deciduous Tree Fruit	8.13	8.21	7.25
Other Fruits & Nuts	8.62	8.69	8.24
Total Horticultural Specialties	8.47	8.49	8.43
Ornamental Floral & Nursery	8.56	8.59	8.58
Food Crops Grown Under Cover	8.38	8.38	8.28
General Farm Primarily Crop	8.35	8.30	8.20
Agricultural Production/Livestock	8.83	9.45	8.52
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	9.70	11.46	8.73
Dairy Farms	na	na	8.50
Chicken Eggs	8.27	8.34	8.25
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.52	8.55	8.58
Total Agricultural Services	8.54	8.57	8.44
Soil Preparation Services	8.77	8.77	8.50
Crop Services	8.59	8.59	8.65
Plant Cultivate & Protection	8.87	8.85	8.89
Harvest Primarily by Machine	na	na	8.85
Preparation Services for Market	8.31	8.33	8.21
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.27	8.35	8.16
Farm Labor Contractors	7.96	8.10	7.83
Farm Management Services	8.57	8.60	8.48

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	167.5	204.8	159.6
Total Agricultural Production/Crops	59.5	81.4	60.3
Cash Grains	0.0	0.0	0.4
Rice	0.0	0.0	0.1
Other Cash Grains	0.2	0.0	0.3
Field Crops Except Grains	7.3	9.2	7.5
Cotton	4.9	5.9	5.2
Other Field Crops	2.4	3.3	2.3
Vegetables and Melons	5.4	5.9	4.0
Total Fruits and Tree Nuts	34.0	48.0	34.2
Berries	0.1	0.1	0.1
Grapes	16.6	25.3	16.6
Tree Nuts	5.9	7.5	5.7
Citrus Fruits	2.1	2.2	1.6
Deciduous Tree Fruit	6.5	7.7	6.4
Other Fruits & Nuts	2.8	5.2	3.8
Total Horticultural Specialties	4.6	4.0	4.5
Ornamental Floral & Nursery	4.3	3.8	4.3
Food Crops Grown Under Cover	0.3	0.2	0.2
General Farm Primarily Crop	8.2	14.3	9.7
Agricultural Production/Livestock	16.0	15.0	17.8
Beef Cattle Feed Lots	0.4	0.4	0.6
Beef Cattle Except Feed Lots	1.4	1.4	1.7
Dairy Farms	12.2	11.2	12.3
Chicken Eggs	0.0	0.0	0.5
Turkey & Turkey Eggs	0.7	0.7	0.8
Other Livestock	1.3	1.3	1.9
Total Agricultural Services	92.0	108.4	81.5
Soil Preparation Services	0.8	1.2	0.7
Crop Services	27.3	26.6	24.9
Plant Cultivate & Protection	3.5	2.2	3.7
Harvest Primarily by Machine	2.8	3.2	1.8
Preparation Services for Market	19.3	20.0	17.7
Cotton Ginning	1.7	1.2	1.7
Total Farm Labor & Management	63.9	80.6	55.9
Farm Labor Contractors	59.9	76.1	52.6
Farm Management Services	4.0	4.5	3.3

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.39	8.41	8.24
Total Agricultural Production/Crops	8.10	8.13	8.03
Cash Grains	na	na	8.13
Rice	na	na	8.29
Other Cash Grains	8.27	na	7.96
Field Crops Except Grains	7.91	7.89	8.26
Cotton	8.06	8.12	8.23
Other Field Crops	7.76	7.66	8.29
Vegetables and Melons	8.24	8.25	8.18
Total Fruits and Tree Nuts	8.15	8.18	7.70
Berries	7.61	7.60	7.40
Grapes	8.05	7.84	7.81
Tree Nuts	8.61	8.95	7.92
Citrus Fruits	8.27	8.28	7.53
Deciduous Tree Fruit	8.13	8.04	7.58
Other Fruits & Nuts	8.25	8.38	7.94
Total Horticultural Specialties	8.06	8.20	7.98
Ornamental Floral & Nursery	8.29	8.35	8.01
Food Crops Grown Under Cover	7.82	8.04	7.95
General Farm Primarily Crop	8.16	8.12	7.92
Agricultural Production/Livestock	8.52	8.55	8.23
Beef Cattle Feed Lots	8.21	8.26	8.27
Beef Cattle Except Feed Lots	8.38	8.42	8.19
Dairy Farms	9.00	9.18	8.82
Chicken Eggs	na	na	7.54
Turkey & Turkey Eggs	8.29	8.20	7.94
Other Livestock	8.72	8.70	8.61
Total Agricultural Services	8.55	8.54	8.46
Soil Preparation Services	8.63	8.64	8.80
Crop Services	8.79	8.79	8.50
Plant Cultivate & Protection	8.71	8.67	8.22
Harvest Primarily by Machine	8.36	8.27	8.12
Preparation Services for Market	8.42	8.30	8.00
Cotton Ginning	9.67	9.91	9.64
Total Farm Labor & Management	8.24	8.20	8.09
Farm Labor Contractors	7.97	7.86	7.89
Farm Management Services	8.51	8.53	8.28

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	17.0	21.9	18.7
Total Agricultural Production/Crops	11.4	14.9	11.8
Cash Grains	1.0	1.4	1.1
Rice	0.7	0.8	0.9
Other Cash Grains	0.3	0.6	0.2
Field Crops Except Grains	0.3	0.3	0.4
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	0.3	0.4
Vegetables and Melons	1.3	1.9	0.6
Total Fruits and Tree Nuts	6.0	7.0	6.4
Berries	0.0	0.1	0.0
Grapes	0.9	1.1	1.4
Tree Nuts	2.0	2.0	2.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	2.1	2.7	1.9
Other Fruits & Nuts	1.0	1.1	0.8
Total Horticultural Specialties	0.9	2.3	1.5
Ornamental Floral & Nursery	0.9	2.3	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.9	2.0	1.8
Agricultural Production/Livestock	1.5	1.7	1.5
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.5	0.6	0.5
Dairy Farms	0.5	0.6	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.5	0.5
Total Agricultural Services	4.1	5.3	5.4
Soil Preparation Services	0.1	0.1	0.1
Crop Services	1.6	3.0	2.0
Plant Cultivate & Protection	0.5	0.6	0.4
Harvest Primarily by Machine	0.2	0.1	0.2
Preparation Services for Market	0.9	2.3	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.4	2.2	3.3
Farm Labor Contractors	2.1	1.9	3.1
Farm Management Services	0.3	0.3	0.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Nov 2002	Oct 2002	Nov 2001
Total Agriculture	8.50	8.50	8.37
Total Agricultural Production/Crops	8.43	8.38	8.12
Cash Grains	8.75	8.39	8.23
Rice	9.26	8.51	8.30
Other Cash Grains	8.24	8.27	8.15
Field Crops Except Grains	8.12	8.14	7.97
Cotton	na	na	na
Other Field Crops	8.12	8.14	7.97
Vegetables and Melons	8.62	8.58	8.17
Total Fruits and Tree Nuts	8.25	8.34	7.94
Berries	na	8.40	na
Grapes	8.39	8.31	7.91
Tree Nuts	8.37	8.41	7.83
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.90	8.23	7.75
Other Fruits & Nuts	8.35	8.36	8.25
Total Horticultural Specialties	8.40	8.39	8.28
Ornamental Floral & Nursery	8.40	8.39	8.24
Food Crops Grown Under Cover	na	na	8.32
General Farm Primarily Crop	8.44	8.41	8.12
Agricultural Production/Livestock	8.50	8.54	8.51
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.41	8.35	8.35
Dairy Farms	8.74	8.92	8.68
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.35	8.34	8.50
Total Agricultural Services	8.57	8.59	8.47
Soil Preparation Services	8.67	8.69	8.64
Crop Services	8.58	8.59	8.45
Plant Cultivate & Protection	8.57	8.61	8.48
Harvest Primarily by Machine	8.81	8.74	8.51
Preparation Services for Market	8.37	8.41	8.37
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.47	8.50	8.32
Farm Labor Contractors	8.29	8.22	8.33
Farm Management Services	8.65	8.78	8.30

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the State's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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